PATENT

Attorney Docket No.: AME-08122

## DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled Methods Of Optimizing Antibody Variable Region Binding Affinity, the specification of which is attached hereto. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PCT/US00/28435	PCT		10/13/2000		Yes
Number	Country	Country Day/Mo		Filed	Priority Claimed
I hereby claim the benefit under the subject matter of each of the c by the first paragraph of Title 35 Title 37, Code of Federal Regula PCT international filing date of	laims of this application is not 5, United States Code, § 112, I ations, § 1.56(a) which occurre	disclosed in acknowled	the prior United S ge the duty to disc	tates applicates	cation in the manner provided rial information as defined in
10/110,141	0.	4/09/02			Pending
09/434,870		1/04/99	1		Pending
60/159,689		0/14/99			Abandoned
Application Serial No.	 Fil	ing Date	•	Patent	ed, Pending or Abandoned
are believed to be true; and furth made are punishable by fine or in	er that these statements were r nprisonment or both, under §	nade with the 1001 of Title	he knowledge that le 18 of the United	willful fa	
are believed to be true; and furth	er that these statements were r mprisonment or both, under § alidity of the application or an	nade with the 1001 of Title	he knowledge that le 18 of the United	willful fa	lse statements and the like so
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variable. Full Name of Sole or First Inverting Inventor's Signature:	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date	willful fa	se statements and the like so de and that such willful falso
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variation. Full Name of Sole or First Inverting Inventor's Signature:  Residence: 455 Jolina Way, English	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date	willful fa	lse statements and the like so
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are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements of Sole or First Inversity Inventor's Signature:  Residence: 455 Jolina Way, English Office Address: 455 Jolina	ner that these statements were reprisonment or both, under § alidity of the application or an enter: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date	willful fa	se statements and the like so de and that such willful falso
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements of Sole or First Inversity Inventor's Signature:  Residence: 455 Jolina Way, Englost Office Address: 455 Jolina Full Name of Second Joint Inversity Inventor of Second Joint Inve	ner that these statements were reprisonment or both, under § alidity of the application or an enter: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date	willful fa States Co  continued to the c	se statements and the like so de and that such willful falso
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements of Sole or First Inversity Inventor's Signature:  Residence: 455 Jolina Way, English Office Address: 455 Jolina Full Name of Second Joint Inventor's Signature:	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024  ntor: William D. Huse	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date Citiz	willful fa States Co enship: U	se statements and the like so de and that such willful falso
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements of Sole or First Inverse Inventor's Signature:  Residence: 455 Jolina Way, Eng. Post Office Address: 455 Jolina  Full Name of Second Joint Inverse Inventor's Signature:  Residence: 1993 Zapo St., Del 1	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024  Antor: William D. Huse	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date Citiz	willful fa States Co enship: U	se statements and the like so de and that such willful falso nited States of America
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variable. Full Name of Sole or First Inverting Inventor's Signature:	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024  Mar, CA 94014  O St., Del Mar, CA 94014	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date Citiz	willful fa States Co enship: U	se statements and the like so de and that such willful falso nited States of America
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements of Sole or First Inverse Inventor's Signature:  Residence: 455 Jolina Way, End Post Office Address: 455 Jolina  Full Name of Second Joint Inventor's Signature:  Residence: 1993 Zapo St., Del Post Office Address: 1993 Zapo  Full Name of Third Joint Inventor	ner that these statements were reprisonment or both, under § alidity of the application or an antor: Jeffry D. Watkins  Cinitas, CA 92024  Way, Encinitas, CA 92024  Mar, CA 94014  O St., Del Mar, CA 94014	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date Citiz	willful fa States Co  enship: U  enship: S	se statements and the like so de and that such willful falso nited States of America
are believed to be true; and furth made are punishable by fine or in statements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements may jeopardize the variatements of Sole or First Inverse Inventor's Signature:  Residence: 455 Jolina Way, End Post Office Address: 455 Jolina  Full Name of Second Joint Inverse Inventor's Signature:  Residence: 1993 Zapo St., Del Post Office Address: 1993 Zapo	ner that these statements were respectively application or an analysis of the application or an analysis. Jeffry D. Watkins  Linitas, CA 92024  Way, Encinitas, CA 92024  May, Encinitas, CA 92024  Mar, CA 94014  OSt., Del Mar, CA 94014  OSt., Del Mar, CA 94014  OST. Alain P. Vasserot	nade with the 1001 of Title	he knowledge that le 18 of the United ued thereon.  Date Citiz  Date Citiz  Date	willful fa States Co  capacitation capacitat	se statements and the like so de and that such willful falso nited States of America

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## **DECLARATION FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Methods Of Optimizing Antibody Variable Region Binding Affinity**, the specification of which is attached hereto. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

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PCT/US00/28435	PCT		10/13/2000	Yes	
Number	Number Country		Month/Year Filed	Priority Claimed	
I hereby claim the benefit under Title the subject matter of each of the claim by the first paragraph of Title 35, Un Title 37, Code of Federal Regulation PCT international filing date of this	s of this application is no nited States Code, § 112 s, § 1.56(a) which occur	ot disclosed in the p , I acknowledge the	rior United States applicated duty to disclose materi	ation in the manner provided al information as defined in	
10/110,141 09/434,870 60/159,689		04/09/02 11/04/99 10/14/99		Pending Pending Abandoned	
Application Serial No.	·	Filing Date		Patented, Pending or Abandoned	
I hereby declare that all statements made are believed to be true; and further the made are punishable by fine or imprisoratements may jeopardize the validition. Full Name of Fourth Joint Inventor:	at these statements were sonment or both, under by of the application or a	e made with the kn § 1001 of Title 18	owledge that willful fals of the United States Cod	se statements and the like so	
Inventor's Signature:	•		Date:		
Residence: 2106 Meadowgreen Court, Encinitas, CA 92024		1		nited States of America	
Post Office Address: 2106 Meadows	green Court, Encinitas, (	CA 92024			
Full Name of Fifth Joint Inventor:	Eric Smith				
Inventor's Signature:			Date:		
Residence: 10908 Caminito Arcada,	San Diego, CA 92131		Citizenship: Ur	nited States of America	
Post Office Address: 10908 Caminit	o Arcada, San Diego, C	CA 92131	_		

PATENT

Attorney Docket No.: AME-08122

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

					_
In	re	Αn	nlıc	ation	ot:

Jeffry D. Watkins et al.

Group No.:

Serial No.:

Filed: Entitled: Examiner:

Methods Of Optimizing Antibody Variable Region Binding Affinity

## POWER OF ATTORNEY BY ASSIGNEE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Applied Molecular Evolutions, as Assignee of record of the entire interest of the above-identified patent application, hereby appoints the members of the firm of MEDLEN & CARROLL, LLP, a firm composed of:

Tanya A. Arenson	(Reg. No. 47,391)	David A. Casimir	(Reg. No. 42,395)
Donald A. Baricevac	(Reg. No. 44,021)	Maha A. Hamdan	(Reg. No. 43,655)
Jason R. Bond	(Reg. No. 45,439)	Thomas C. Howerton	(Reg. No. 48,650)
Thomas J. Bordner	(Reg. No. 47,436)	J. Mitchell Jones	(Reg. No. 44,174)
Mary Ann D. Brow	(Reg. No. 42,363)	Christine A. Lekutis	(Reg. No. 51,934)
Thomas W. Brown	(Reg. No. 50,002)	James C. Mason	(Reg. No. 50,255)
Peter G. Carroll	(Reg. No. 32,837)	David J. Wilson	(Reg. No. 45,225)

as its attorneys with full power of substitution to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith.

Please direct all future correspondence and telephone calls regarding this application to:

Jason R. Bond

MEDLEN & CARROLL, LLP

101 Howard Street, Suite 350

Telephone: 608/218-6900

San Francisco, California 94105 Facsimile: 608/218-6910

I hereby certify that the Assignment document filed with the application, or filed subsequent to the filing date of the application, has been reviewed and I hereby certify that, to the best of my knowledge and belief, title is with Applied Molecular Evolutions.

Dated: _	 Ву:
	Name:
	Title:  Applied Molecular Evolutions

3520 Dunhill Street San Diego, CA 92121